

ABSTRACT

A combination of an aircraft and spraying apparatus for spraying suspensions or solutions having predetermined characteristics independent of the speed of the aircraft, the apparatus consisting of a mounting frame attached to the underside of the aircraft, a plurality of bearing braces attached to the frame and a propeller shaft mounted through the bearing braces. A full feathering propeller is mounted on the forward end with a control running to the cockpit of the aircraft, and a rotary piston type high pressure pump connected to the aft end of the propeller. The input of the pump is connected to a supply tank in the aircraft and the output is connected to a spray boom. The spray nozzles consist of high pressure impingement nozzles.